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COMPLETE SPECIFICATION.

**An Improved Appliance Comprising a Water Motor and a Spittoon
for Attachment to Dental and like Chairs."**

We, WILLIAM BASKIN ALFORD and EDWIN PLUMER ALFORD both of Sumter, Sumter County, in the State of South Carolina, United States of America, Dentists, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by
5 the following statement:

This invention relates to combined dental water motors and spittoons, and supporting standards therefor, and has for its object to provide a construction in which the supporting standard for the water motor will be formed by one of the water pipes thereof.

10 A further object is to conduct the water from the motor to the spittoon, so that the same water is used for both.

A further object is to provide a structure, supported on a chair, carrying a motor, a spittoon, a drinking glass, and cocks for supplying water thereto, and containing places for the attachment and convenient manipulation of various
15 other devices used in dental operations, the intent being to support, in a convenient position and advantageous manner, most of the appliances needed by a dentist in connection with the chair.

The invention is illustrated in the accompanying drawing which is an elevation of the apparatus, with parts in section.

20 Referring specifically to the drawing, 6 indicates a supporting arm for the apparatus, and it is bolted to the bottom of the chair as indicated at 7, and projects therefrom conveniently from the left side of the chair. At the end of this arm is a sleeve 6^a through which a waste pipe 8 extends, leading from the spittoon 9. The waste pipe supports the spittoon and the motor and its con-
25 nected parts, and is free to turn in the sleeve. It is supported by a collar 8^a adjustable as to height by set screw 8^b. The motor is indicated at 10 and its waste pipe 11 leads to a tubular rim 9^a of the spittoon, and the waste water from the pipe escapes through a slit 9^b produced between the edge of the rim and the bottom of the spittoon. The waste pipes 8 and 11 are bent to project horizontally
30 to support the spittoon at a proper position to be accessible to the occupant of the chair. The waste pipes are of metal, and formed, in connection with a stay rod 12, a standard which supports the motor, the spittoon, and the various other parts, as such may be turned in the sleeve of the supporting arm to bring the device in proper and suitable position for use, as occasion demands.

35 The motor includes a reversible wheel 10^a driven by a jet from either of the pipes 13 which are connected to rubber supply pipes 14 leading to a valve casing 15 at or about the floor. The flexibility of these pipes permits the necessary turning movement of the supporting standard. The pipes 13 are fitted with stop-cocks 13^a, and also with bib-cocks 13^b one of which will supply water to a
40 glass 16 held in a bracket 17 clamped on the waste pipe 11. The other bib-cock may be used to supply water to a hose and syringe for cleaning cavities, and the like. The pipes 13 are joined and held in position by a cross bar 18.

[Price 8d.]

An Improved Appliance Comprising a Water Motor and a Spittoon.

A water supply pipe is indicated at 19, and between it and the supply pipes 14 is a valve, indicated at 15, to control the supply of water to said pipes 14.

By the construction indicated, a standard is provided which supports a motor and its supply and waste pipes, a spittoon and its waste pipe, and also provides means for water supply to a syringe and a drinking glass; in short, provides means for supplying water for all the dental operations for which it is needed. The waste pipe forms a support which permits the apparatus to be turned into various positions according to the needs of the operations. 5

The motor and the other parts supported by the arm follow all the movements of the chair and adjustments of the chair, and is adapted for combination not only with a dental chair, but also with surgical chairs and chairs of like characters, wherein a supply of water is desirable or necessary. 10

The waste pipe 8 is connected below the supporting arm to a flexible section 8^c, permitting the necessary adjustments of the chair.

Having now particularly described and ascertained the nature of our said invention and in what manner the same is to be performed, we declare that what we claim is; 15

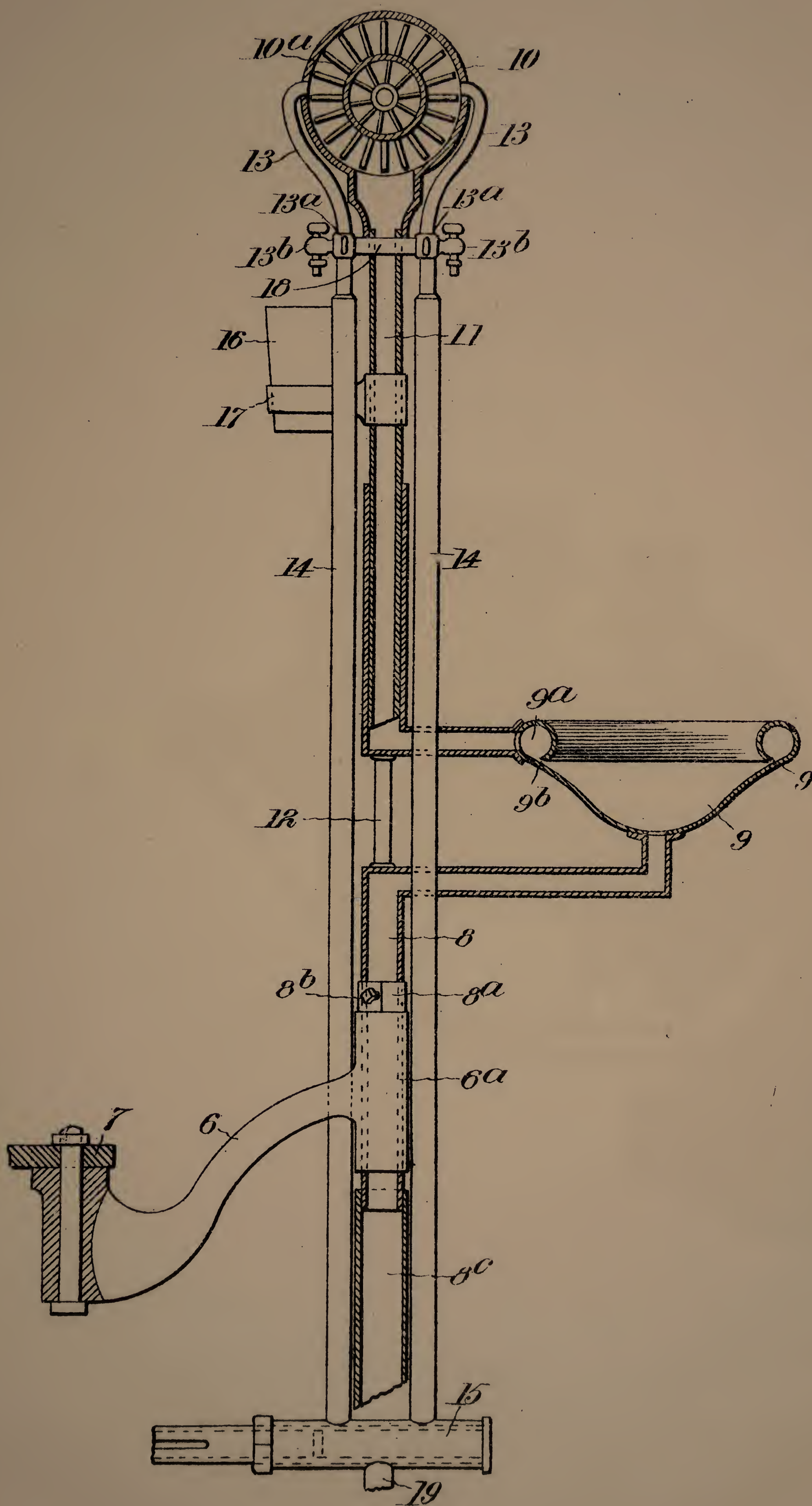
The combination with a tubular rotatable standard bent to form upper and lower lateral extensions between its ends, of a spittoon connected at the bottom to the lower extension forming a waste pipe from the spittoon, and having a tubular rim fixed to the upper extension forming a supply pipe to the spittoon, a water motor supported on the top of the standard and discharging its waste water therein, and a supply pipe to the motor. 20

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[This Drawing is a reproduction of the Original on a reduced scale.]

